

ABSTRACT

The present invention provides a nerve cell differentiation inducing drug containing a Synoviolin expression inhibitor which is a useful drug for treatments of neural disorders, particularly Alzheimer's disease, Parkinson's disease, peripheral nerve disorders or spinal injury. As Synoviolin expression inhibitors, there are siRNA against gene coding Synoviolin (SEQ ID No. 1 or 2), or shRNA, a decoy nucleic acid that inhibits the promoter activity by binding to the transcription factor of the promoter of the Synoviolin gene or antisense oligonucleotide against gene coding the Synoviolin. The nerve cell differentiation inducing drug of the present invention is used for the treatment of neural disorders including Alzheimer's disease, Parkinson's disease, peripheral nerve disorders or spinal injury.